

- PACKARD, A. S. (1914) Monograph of the Bombycine moths, etc., Part III. Mem. Nat. Acad. Sci., 12 (1) : 1-516, pl. 1-113.
- TRAVASSOS, L. & R. F. D'ALMEIDA (1937) Contribuição para o conhecimento da bionomia de alguns lepidopteros brasileiros. Mem. Inst. Osw. Cruz, 32 (4) : 499-516, pl. 1, 2.
- TRAVASSOS, L. (1946) Evolução de *Copiopteryx semiramis* (Cramer, 1775) (Lepidoptera, Adelocephalidae). Rev. Brasil. Biol., 6 (1) : 1-6, figs. 1-25.
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## A New Grass Aphid from Utah

By G. F. KNOWLTON and L. L. HALL  
Utah State Agricultural College, Logan

The writers are indebted to Professor M. A. Palmer for calling attention to this apparently undescribed aphid. At times this species has been found to be moderately abundant in meadows where collected.

### *Thripsaphis utahensis* n. sp.

*Apterous vivipara*: Body color orange to yellowish orange; body 1.9 to 2.03 mm. long; width of abdomen .69 to .725 mm. Frontal tubercles lacking; wart like projection on vertex .05 mm. long; antennae 1.2 to 1.3 mm. long, pale; antennal III, .33 to .36 mm. long, without sensoria; IV, .173 to .206 mm. long; V, .206 to .25; VI, .138 to .14 plus .121 to .138 mm.; unguis shorter than base of VI; ocular tubercles absent; hind tibiae .55 to .65 mm. long and swollen distally; hind tarsi .138 to .155 mm. long; cornicles mere rings; cauda knobbed; anal plate bilobed; the eighth abdominal tergite almost covering cauda.

*Alate vivipara*: Body orange with dusky lateral areas having a somewhat beaded effect, 1.47 to 1.68 mm. long and .57 wide across the abdomen; vertex very prominent, equaling at least distal end of antennal I; antennae dusky; antennal III, .38 to .43 mm. long and with 7 to 9 circular sensoria; IV, .206 to .26; V, .2 to .258; VI, .138 plus .121 mm. long; rostral IV + V, .086 long, obtuse; wing veins dusky; legs dusky to blackish; hind tibiae .65 to .69, thickened at distal end; tarsi .12 to .13; cor-

nicles pore-like with distinct rim; cauda dusky, knobbed, .21 long, with distal portion somewhat quadrangular; anal plate bilobed.

*Collection data:* Collected in meadow sweeps made west of Brigham City, May 24, 1945, and Logan meadows, October 15, 1943; Corinne, July 10, 1935; Strawberry Reservoir, July 25, 1945; Devil's Slide, July 24, 1945, in Utah. All material was collected by G. F. Knowlton. Type in the U. S. National Museum; paratypes in the collection of the senior writer.

*Taxonomy:* *Thripsaphis utahensis* n. sp. aptera differ from *T. verrucosa* Gill. in being orange instead of greenish yellow, and in lacking sensoria on antennal III.

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## Current Entomological Literature

COMPILED BY RAYMOND Q. BLISS AND  
R. G. SCHMIEDER.

Under the above head it is intended to note papers received at the Academy of Natural Sciences of Philadelphia and the University of Pennsylvania, pertaining to the Entomology of the Americas (North and South), including Arachnida and Myriopoda. Articles irrelevant to American entomology will not be noted; but contributions to anatomy, physiology and embryology of insects, however, whether relating to American or exotic species will be recorded.

This list gives references of the year 1949 unless otherwise noted. Continued papers, with few exceptions, are recorded only at their first installment.

For other records of general literature and for economic literature, see the Bibliography of Agriculture, Washington, and the Review of Applied Entomology, Series A, London. For records of papers on medical entomology see Review of Applied Entomology, Series B.

NOTE: The figures within brackets [ ] refer to the journal in which the paper appeared, as numbered in the List of periodicals and serials published in our January and June issues. The number of the volume, and in some cases, the part, heft, &c. is followed by a colon (:). References to papers containing new forms or names not so stated in titles are followed by (\*); if containing keys are followed by (k); papers pertaining exclusively to Neotropical species, and not so indicated in the title, have the symbol (S).

Papers published in ENTOMOLOGICAL NEWS are not listed.

**GENERAL**—Arnett, R. H., Jr.—Locality labels. [Coleopt. Bull.] 3: 85–88. The Coleopterists' Society. *Ibid.* 84. Size of McClay Collection. *Ibid.* 88–89, 1950. Brundin, L.—Chironomiden und andere Bodentiere der Südschwedischen Urgebirgsseen. [Inst. Freshwater Res., Drottingholm] Rpt. No. 30: 1–915. Burma, B. H. and E. Mayr—The species concept: a discussion. [100] 3: 369–73, 1950. Clay, T.—Some problems in the evolution of a group of ectoparasites (Mallophaga). [100] 3: 279–99, 1950. Heikertinger, F.—Das Problem der Totalzeichnung auf den Schmetterlingsflügeln. II. Das Rätsel der Totalzeichnung. [Zeitschr.